Reader's Sign _____ Date _____

ORANGE

ASSIGNMENT–11

Marks Obtained: _____

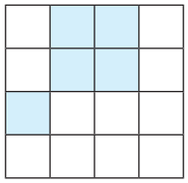
Student's Name: _____ Section: _____

Roll Number: _____ Date: _____

Multiple Choice Type Questions

Identify the correct answer.

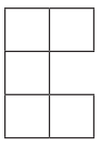
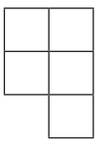
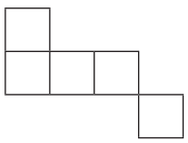
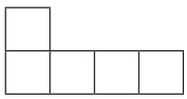
1. If each square is 1 unit long, find the perimeter of the shaded region.



(*a*) 12 units (*b*) 5 units

(*c*) 6 units (*d*) 9 units

2. The following figures are formed using 5 unit squares. Which figure has the largest perimeter?

(*a*)  (*b*)  (*c*)  (*d*) 

3. A square and a rectangle have the same perimeter of 36 cm. The rectangle has a length of 10 cm. What is the area of the square?

(*a*) 81 cm² (*b*) 72 cm² (*c*) 64 cm² (*d*) 60 cm²

4. A square is divided into four identical smaller squares. What happens to the total perimeter?

(*a*) It becomes half. (*b*) It doubles. (*c*) It remains the same. (*d*) It quadruples

5. If the length of a rectangle is doubled and its width is halved, what happens to its area and perimeter?

(*a*) Area remains the same; perimeter may change.

(*b*) Area doubles; perimeter remains the same.

(*c*) Area remains the same; perimeter doubles.

(*d*) Area doubles; perimeter doubles.

6. Which pair of shapes has the same area but different perimeters?

(*a*) Square (side 6 cm) and Rectangle (9 cm × 4 cm)

(*b*) Square (side 5 cm) and Rectangle (10 cm × 2.5 cm)

(*c*) Square (side 8 cm) and Rectangle (16 cm × 4 cm)

(*d*) All of these.

7. A farmer fences a rectangular plot with a perimeter of 60 m. If the length is increased by 2 m and the width decreased by 2 m, the new perimeter will:

(*a*) Increase by 4 m (*b*) Decrease by 4 m (*c*) Remain the same (*d*) Decrease by 8 m

8. Which shape has the largest area for a fixed perimeter of 40 cm?

(*a*) Rectangle 15 cm × 5 cm (*b*) Rectangle 12 cm × 8 cm

(*c*) Square with side 10 cm (*d*) All have the same area